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... DNA preparation **Methylated DNA** for the experiment described in Figure 2 was prepared by treating human genomic DNA (Promega) with SssI methyltransferase (New England ... **Unmethylated DNA** was prepared by MDA (multiple displacement amplification), a genome-wide ...

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... age of methylated cytosines, and red bars denote the percentage of unmethylated cytosines at this CpG site. B, non-WGA bisulfite-treated DNA; P, PEP-amplified bisulfite-treated DNA; R, bisulfite-treated DNA amplified with the REPLI-g multiple displacement amplification (MDA ...

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... Here, we report the development of quantitative MethylLight assays to determine the levels of methylated and unmethylated repeats, namely, Alu and LINE-1 sequences and the centromeric satellite alpha (Sat 1) and juxta-centromeric satellite 2 (Sat2) DNA sequences. ...

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... Unmethylated DNA was prepared by MDA (multiple displacement amplification), a genome-wide amplification method described by Dean et al. (30). Methylated DNA was prepared by treating unmethylated MDA-DNA with SssI methyltransferase (New England Biolabs, Frankfurt ...

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... Unmethylated DNA was prepared by multiple displacement amplification (MDA), a genome-wide amplification method (Dean et al. ... A measurement originating only from a few copies might not reflect the actual representation of methylated and unmethylated copies. ...

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... Oligonucleotide arrays have also shown promise in directly discriminating methylated from unmethylated CpG dinucleotides^{31,32}. Bisulphite modification of genomic DNA converts unmethylated cytosines, but not methylated cytosines, to uracil. ...

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... To enable this, suitable control DNA samples are required that correspond to fully CpG unmethylated and fully CpG methylated DNA. ... presented here use a combination of whole genome amplification (WGA) using the multiple displacement amplification (MDA) approach [1

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